

December 5, 2001

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Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. 56352USA3A	Serial No. 09/911,950
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Applicant BARRY S. CARPENTER et al.	
		Filing Date July 24, 2001	Group

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date MM/DD/YY	Name	Class	Subclass	Filing Date If Appropriate
SK	4,119,363	10/10/1978	Camlibel et al.			
SK	4,186,995	02/05/1980	Schumaher			
SK	4,346,294	08/24/1982	Albaugh et al.			
SK	4,347,655	09/07/1982	Zory et al.			
SK	4,399,453	08/16/1983	Berg et al.			
SK	4,399,541	08/16/1983	Kovats et al.			
SK	4,413,881	11/08/1983	Kovats		X	
SK	4,438,338	03/20/1984	Stitt et al.			
SK	4,567,598	01/28/1986	Noguchi et al.			
SK	5,050,953	09/24/1991	Anderson et al.			
SK	5,113,404	05/12/1992	Gaebe et al.			
SK	5,333,225	07/26/1994	Jacobowitz et al.			
SK	5,555,330	09/10/1996	Pan et al.			
SK	5,761,350	06/02/1998	Koh			
SK	5,774,604	06/30/1998	McDonald			
SK	5,872,880	02/16/1999	Maynard			

FOREIGN PATENT DOCUMENTS

Name	Document Number	Date MM/DD/YY	Country	Class	Subclass	Translation Yes/No
SK	0 010 352	4-19-80	EP			Yes
SK	0 414 338 A2	2-19-91	EP			Yes
SK	0 465 230 B 1	5-19-95	EP			Yes
SK	0 637 765 B1	12-19-98	EP			Yes

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

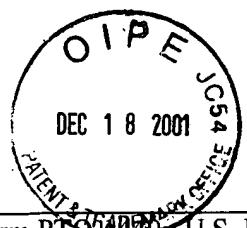
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Form PTS-1442b U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. 56352USA3A	Serial No. 09/911,950
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U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date MM/DD/YY	Name	Class	Subclass	Filing Date If Appropriate
SK	5,889,904	03/30/1999	Pan et al.			
SK	5,923,995	07/13/1999	Kao et al.			
SK	5,943,158	08/24/1999	Ford et al.			
SK	5,963,695	10/05/1999	Joyce			
SK	5,991,483	11/23/1999	Engelberth			
SK	5,993,075	11/30/1999	Huang et al.			
SK	5,993,931	11/30/1999	Grencavich			
SK	5,999,671	12/07/1999	Jin et al.			
SK	5,999,674	12/07/1999	Yui et al.			
SK	6,140,144	10/31/2000	Najafi et al.			
SK	6,146,917	11/14/2000	Zhang et al.			
SK	6,194,837	12/24/2000	Haake et al.			
SK	6,185,107 B1	02/06/2001	Wen			
SK	6,188,814 B1	02/13/2001	Bhalla			

FOREIGN PATENT DOCUMENTS

Name	Document Number	Date MM/DD/YY	Country	Class	Subclass	Translation Yes/No
SK	0 762 161 A1	3-1997	EP			No
SK	0 852 337 A1	7-1998	EP			Yes
SK	0 853 396 A2	7-1998	EP			Yes
SK	0 886 144 A1	12-1998	EP			Yes

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

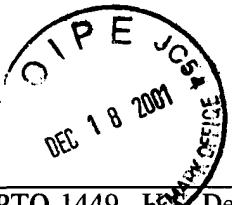
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<p>Form PTO-1449 73 TRADEMARK Department of Commerce Patent and Trademark Office</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p>	Atty. Docket No.	Serial No.
	56352USA3A	09/911,950
	Applicant	
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	Filing Date	Group
	July 24, 2001	

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Name	Document Number	Date MM/DD/YY	Country	Class	Subclass	Translation Yes/No
SK	0 961 150 A2	12-1999	EP			Yes
SK	1 057 779 A2	12-2000	EP			Yes
SK	00/07225	2-2000	PCT			Yes
SK	00/25160	5-2000	PCT			Yes
SK	01/04963	1-2001	PCT			Yes

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

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		Filing Date JULY 24, 2001	Group 2001 ROOM

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS
(Including Author, Title, Date, Pertinent Pages, Etc.)

SK	Harsh et al., "Flip-Chip Assembly for Si-Based RF MEMS", IEEE Conference on Micromechanical Systems, pp. 273-278 (1999).
SK	Lin et al., "Lightwave Micromachines for Optical Crossconnects".
SK	Lin et al., "High-Density Micromachined Polygon Optical Crossconnects Exploiting Network Connection-Symmetry", 10 IEEE Photonics Technology Letters 1425-1427 (1998).
SK	Fouquet et al., "Compact, Scalable Fiber Optic Cross-Connect Switches", IEEE WDM Components Conference, pp. 59-60 (1999).
SK	W. Ko., "Packaging of Microfabricated Devices and Systems", 42 Materials Chemistry and Physics 169-175 (1995).
SK	Goldstein et al., "Optical-Mems-Based Tail-End Switching for Restoration of Line-Rate Services", AT&T Labs-Research.
SK	Butler et al., "An Embedded Overly Concept for Microsystems Packaging", 23 IEEE Transactions on Advanced Packaging 617-622 (2000).
SK	Tilmans et al., "The Indent Reflow Sealing (IRS) Technique - A Method for the Fabrication of Sealed Cavities for MEMS Devices", 9 Journal of Microelectromechanical Systems 206-216 (2000).
SK	Koh et al., "Optoelectronic Multichip Modules for High-Speed Computer Systems and Communication Networks", 36 Opt. Eng. 1319-1325 (1997).
SK	Baliga, John, "Low-Cost MEMS Packing with Cavities", 9 Journal of Microelectromechanical Systems 206 (2000).
SK	Ramesham et al., "Challenges in Interconnection and Packaging of Microelectromechanical Systems", IEEE Electronic Components and Technology Conference (2000).
SK	Comtois et al., "Applications for Surface-Micromachined Polysilicon Thermal Actuators and Arrays", 58 Sensors and Actuators 19-25 (1997).

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